

APPENDIX A

Board Policy No. 2 – Recycled Water



MARIN MUNICIPAL WATER DISTRICT

BOARD POLICY

No.: 2

Date: 4/26/78

Revised 10/31/90

Revised 2/23/94

Revised 5/21/97

Subject: RECYCLED WATER

The Marin Municipal Water District wishes to encourage the maximum water reclamation of sanitary effluent for all beneficial uses. The development and operation of water reclamation facilities is consistent with the goals of the Marin Countywide Plan, and is determined to be compatible with the development of other water sources and the operation of a potable water system.

The following are offered to show the extent to which the District supports the development of water reclamation:

1. The Marin Municipal Water District recognizes water reclamation as an additional water source and an integral part of its water supply.
2. The District will from time to time determine the points, quantities, and rates of flow at which it will deliver recycled water for use by its customers. These determinations shall be made solely by the District on the basis of availability of dependable supply of recycled water, the feasibility of the distribution thereof to the point of delivery, and the water requirements of the customer.
3. In the discretion of the District, certain areas in and around a water reclamation facility may be designated as "recycled water use areas" which may require, as a condition of water service, the use of recycled water for irrigation, indoor water use, and other types of non-potable use.
4. The Water District shall pay all costs associated with the financing of reclamation treatment plants, transmission and distribution systems, excepting service installation charges and connection fees, which shall be determined and levied as follows:

Existing Consumers. Consumers within a "recycled water use area" who have installed an irrigation service prior to designation of said use area, or who have a possible recycled water use which can be separated from any potable use, may, at the discretion of the District, be required to connect to the recycled water system by assuring their onsite system is properly plumbed, but without charge or fee of any nature from the District.



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New Consumers. New consumers requesting service within a "recycled water use area" may be required, at the discretion of the District, to connect an irrigation service, separate indoor water use service, or other type of non-potable use service to the recycled water system. In such case, the District may charge said consumer the actual costs of service installation, together with the connection fee established for new uses.

5. In order to encourage the use of recycled water for appropriate and beneficial purposes, the rates to be charged for recycled water are less than the potable rates and are set forth in District Code Section 6.01.070.

APPENDIX B

Code Sections on District's Dry Year Water Use Programs

Title 13

WATER SERVICE CONDITIONS AND WATER CONSERVATION MEASURES

Chapters:

- 13.01 Eliminated (Ord. 346, 1993)
- 13.02 Water Conservation and Dry Year Water Use Reduction Program
- 13.03 Water Budgets and Related Conservation Measures

Chapter 13.02

WATER CONSERVATION AND DRY YEAR WATER USE REDUCTION PROGRAM*

Sections:

- 13.02.010 Declaration of purpose.
- 13.02.015 Declaration of Water Shortage Emergency.
- 13.02.020 Water waste prohibitions.
- 13.02.030 Water use reduction in dry periods.
- 13.02.040 Calculation of allowable water use.
- 13.02.050 Variances.
- 13.02.060 Enforcement.
- 13.02.065 Unauthorized water use.
- 13.02.070 Further prohibitions.
- 13.02.080 Penalty for violations.
- 13.02.090 Appeals.
- 13.02.100 Remedies/cumulative.
- 13.02.110 Chapter controlling.

13.02.010 Declaration of purpose. The purpose of this chapter is to provide a water conservation plan to minimize the effect of a shortage of water on the district's consumers and to adopt provisions that will significantly reduce the consumption of water during an extended dry weather period (drought), thereby extending the available water for the district's consumers while reducing the hardship on the general public to the greatest extent possible, voluntary conservation efforts having proved insufficient to achieve these ends. The programs developed in this chapter are triggered based on lake storages developed by computer simulations performed utilizing the district's seven reservoirs with approximately eighty thousand acre-feet of total capacity and up to nine thousand acre-feet per year of imported water. (Ord. 387 §1, 1999; Ord. 316 §2 (part), 1991).

* Prior ordinance history: Ords. 279, 286, 290 and 314.

13.02.015 Declaration of Water Shortage Emergency. When the district's lake storage on December 1 is projected to be in the vicinity of, or less than, thirty thousand acre-feet, the board may declare by resolution a Water Shortage Emergency as defined in the Water Code and then advise the State Water Resources Control Board of the need to conserve local storage. (Ord. 387 §1, 1999)

13.02.020 Water waste prohibitions. No customer of the district shall make, cause, use or permit the use of potable water from the district for residential, commercial, industrial, agricultural, governmental or any other purpose in a manner contrary to any provision of this section.

(1) Prohibited Nonessential Uses Applicable to All Consumers. It is unlawful for any person, firm, partnership, association, corporation, or political entity to use water from the district for the following nonessential uses:

(A) The washing of sidewalks, walkways, driveways, parking lots and all other hard-surfaced areas by direct hosing, except as may be necessary to properly dispose of flammable or other dangerous liquids or substances or to prevent or eliminate materials dangerous to the public health and safety;

(B) The escape of water through breaks or leaks within the consumer's plumbing or private distribution system for any substantial period of time within which such break or leak should reasonably have been discovered and corrected. It shall be presumed that a period of forty-eight hours after the consumer discovers such a leak or break, or receives notice from the district of such leak or break, whichever occurs first, is a reasonable time within which to correct such leak or break;

(C) Nonrecycling decorative water fountains.

(2) Restrictions on Irrigation. Irrigation shall not be conducted in a manner or to an extent that allows water to run off or overspray the areas being watered. Every consumer is deemed to have his water distribution lines and facilities under control at all times and to know the manner and extent of his water use and any runoff. Facilities with timed controllers shall adhere to the schedule set forth in Section 11.60.050.

(3) Restrictions on Reverse-Osmosis Units. The installation of reverse-osmosis water purifying systems not equipped with an automatic shutoff unit is prohibited.

(4) The following are prohibited for new connections:

(A) Single-pass cooling systems for air conditioning or other cooling system applications unless required for health or safety reasons;

(B) Nonrecirculating systems for conveyer carwash applications. (Ord. 387 §1, 1999; Ord. 332 §1, 1992; Ord. 316 §2 (part), 1991).

13.02.030 Water use reduction in dry periods. No customer of the district shall make, cause, use or permit the use of potable water from the district for residential, commercial, industrial, agricultural, governmental or any other purpose in a manner contrary to any provision of this section.

(1) Program to Reach a Ten Percent Water Use Reduction Goal (alert stage). When lake storage on April 1st in any year is below fifty thousand acre-feet and system modeling based on historic hydrologic data and use patterns indicates that a minimum reduction in use is required to assure a sufficient carry-over storage, the board may activate by resolution a voluntary use reduction program and should review its financial reserves to determine if a reduction in tier breaks is fiscally warranted to achieve ten percent savings in district's overall water use as follows:

(A) Consumer Percentage Curtailment. Every consumer shall eliminate water wastage in an effort to aid the district in achieving a ten percent reduction of the amount of potable water used by all consumers during the last year in which no restrictions in water use were required.

(B) Curtailment of Program. When lake storage on April 1st of any year is above fifty thousand acre-feet or when lake storage on or after January 1st is sufficiently above fifty thousand acre feet and projected demands will not reduce lake storage below fifty thousand acre-feet by the following April 1st, the requirements of this subsection shall be deactivated by resolution of the board.

(2) Twenty-five Percent Water Use Reduction Program. When lake storage on April 1st is below forty thousand acre-feet and system modeling based on historical hydrologic data and use patterns indicates a reduction in use is required to assure sufficient carry-over storage, the board may activate by resolution a mandatory use reduction program to achieve twenty-five percent savings in district's overall water use as follows:

(A) Consumer Use Reduction. Residential consumers, Billing Codes 1 through 5, shall use no more than the water use allocation assigned by the district based on an allotment per resident to aggregate a thirty-two percent reduction by all residential consumers. A resident is considered to be an individual who resides, or is expected to reside in the structure for a minimum of six months of the year.

Each nonresidential consumer, Billing Code 6 shall use no more than seventy-five percent, Billing Code 7 shall use no more than eighty percent, and Billing Code 8 shall use no more than fifty percent, of the annual water budget calculated by the district for said consumer pursuant to Chapter 13.03 of the district's code.

Every consumer shall eliminate water wastage and non-essential use of potable water from the district in an effort to aid the district in achieving a twenty-five percent reduction in the amount of water used by all consumers in the last year in which no restrictions in water use were required.

(B) Prohibited Nonessential Uses Applicable to All Consumers. It is unlawful for any person, firm, partnership, association, corporation or political entity to use potable water from the district contrary to the provisions of this subsection, or, if more restrictive, subsections (1), (2) and (3) of this section, or to use potable water for: refilling or as make-up water for decorative fountains or pools; irrigation between the hours of 11 AM and 7 PM; irrigation of new turf areas; washing of cars, boats, airplanes with hose without a shut-off nozzle; or serving water to restaurant patron except on request.

(C) Curtailment of Program. When lake storage on April 1st is above forty thousand acre-feet or when lake storage is sufficiently above forty thousand acre-feet and projected demands will not reduce lake storage below forty thousand acre-feet by the following April 1st, the requirements of this subsection shall be deactivated by resolution of the board. (Ord. 387 §1, 1999; Ord. 376 §8, 1997; Ord. 325 §1, 1991; Ord. 323 §1, 1991; Ord. 316 §2 (part), 1991).

13.02.040 Calculation of allowable water use. When the requirements of Section 13.02.030 (2) are in effect, consumers in Billing Codes 6, 7 and 8 will reduce their use by the appropriate percentage of their water budget. (Ord. 387 §1, 1999; Ord. 376 §9, 1997; Ord. 316 §2 (part), 1991).

13.02.050 Variances. The general manager of the district may grant variances for use of water otherwise prohibited by this chapter if the general manager finds and determines that:

(1) The applicant, if requesting a variance for a nonresidential service (Billing Codes 6, 7 and 8), has agreed to abide by an annual water budget calculated pursuant to Chapter 13.03 of this title; and

(2) The applicant has agreed to adjust his water usage by complying with Section 11.04.080 of this code where determined to be applicable by district staff; and

(3) Failure to do so would cause an unnecessary and undue hardship on applicant or the public, including but not limited to, adverse economic impacts, such as loss of production or jobs; or

(4) Failure to do so would cause an emergency condition affecting the health, sanitation, fire protection or safety of the applicant or the public. (Ord. 387 §1, 1999; Ord. 316 §2 (part), 1991).

13.02.060 Enforcement. Any customer violating the regulations and restrictions on water use set forth in this chapter shall receive a written warning for the first such violation. Upon a second violation, the customer shall receive a written warning and the district may cause a flow restrictor to be installed in the service. If a flow restrictor is placed, the cost of installation and removal specified in Section 11.32.020 of this code shall be paid by the violator. Any wilful violation occurring subsequent to the issuance of the second written warning shall constitute a misdemeanor and may be referred to the Marin County district attorney's office for prosecution pursuant to Section 13.02.080. The district may also disconnect the water service in accordance with Section 11.28.030 of this code. If water service is disconnected, it shall be restored only upon payment of the turn-on charge fixed by the board of directors under the provisions of Section 11.08.130(2) of this code. (Ord. 387 §1, 1999; Ord. 316 §2 (part), 1991).

13.02.065 Unauthorized water use. Use of water without having made application to the district for water service or use of any district water not metered pursuant to such application is prohibited pursuant to this chapter, and in addition to the penalties contained in Section 13.02.080, violators will be subject to the charges for use of such water set forth in Section 6.01.080 of this code. (Ord. 316 §2 (part), 1991).

13.02.070 Further Prohibitions. It is unlawful for any person, firm, partnership, association, corporation or political entity to remove, replace, alter or damage any water meter or components thereof, including but not limited to the meter face, its dials or other water usage indicators and any flow restricting device installed pursuant to Section 13.02.060. (Ord. 316 §2 (part), 1991).

13.02.080 Penalty for violations. Except as provided in Section 13.02.060, for the first and second violations any person, firm, partnership, association, corporation or political entity violating or causing or permitting the violation of any of the provisions of this chapter or providing false information to the district in response to district's requests for information needed by the district to calculate consumer water allotments shall be guilty of a misdemeanor punishable by

imprisonment in the county jail for not more than thirty days or by a fine not exceeding one thousand dollars or both. Each separate day or portion thereof in which any violation occurs or continues without a good faith effort by the responsible party to correct the violation shall constitute a separate offense and, upon conviction thereof, shall be separately punishable. (Ord. 316 §2 (part), 1991).

13.02.090 Appeals. Variances from the requirements of this chapter may be granted by the board of directors only after denial of a variance request by the general manager. Appeals of variance request denials shall be made in writing to the secretary of the board at least two weeks prior to the meeting at which they will be heard. Upon granting any appeal, the board of directors may impose any conditions it determines to be just and proper. Variances granted by the board of directors shall be prepared in writing, the original to be kept on file with the district and a copy to be furnished to the applicant. The board of directors may require it to be recorded at applicant's expense. (Ord. 316 §2 (part), 1991).

13.02.100 Remedies/cumulative. The remedies available to the district to enforce this chapter are in addition to any other remedies available under the district's code, or any state statutes or regulations, and do not replace or supplant any other remedy, but are cumulative. (Ord. 316 §2 (part), 1991).

13.02.110 Chapter controlling. The provisions of this chapter shall prevail and control in the event of any inconsistency between this chapter and any other rule, regulation, ordinance or code of this district. (Ord. 316 §2 (part), 1991).

Chapter 13.03WATER BUDGETS AND RELATED CONSERVATION MEASURES*Sections:

13.03.010	Declaration of purpose.
13.03.020	Basis for determination of water budget.
13.03.030	Water budgets, when required.
13.03.040	Efficient plumbing fixtures.
13.03.050	Variances from Section 13.13.040.
13.03.060	Appeals.
13.03.070	Penalty for violations.
13.03.080	Recordation of notice.
13.03.090	Cost of enforcement.
13.03.100	Chapter controlling.
13.03.110	Remedies/cumulative.
13 03 120	Flow restrictors.

13.03.010 Declaration of purpose. The purpose of this chapter is to specify the terms and conditions under which water budgets will be required and to specify when consumers will be required to retrofit water using fixtures with low-flow or ultra-low-flow fixtures, all for the purpose of permanently reducing the per capita consumption of water by the district's customers, thereby reducing the hardship on the district's consumers resulting from over-subscription of the district's water supplies which has increased the susceptibility of the district's supply to shortfalls in dry years. (Ord. 316 §2 (part), 1991).

13.03.020 Basis for determination of water budget. The initial annual water budget for each existing service which is not a single-family residential or multi-unit residential structure is determined by the district assigning the amount of the water entitlement based on the purchased water entitlement, calculated consumption or designated annual consumption as defined in Section 11.08.180 of this code. The water budget for each service may be adjusted below the water entitlement as set forth in Section 11.08.035. All customers except residential customers exceeding their annual water entitlements are subject to terms and conditions of Section 11.08.030 of this code regarding changing character and/or increasing use of water. (Ord. 376 §9, 1997; Ord. 340 §1 (part), 1992; Ord. 316 §2 (part), 1991).

13.03.030 Water budgets when required. Services must conform to the annual water budget calculated by the district for each property receiving water service as follows:

- (1) New services: immediately upon connection.

* Prior ordinance history: Ords. 295, 301, 309, 310 and 314.

(2) Existing services: as a condition of receipt of a variance or as part of the calculation of allowable use pursuant to Section 13.02.040 of this title, or upon receipt of notification from district that an annual water budget has been prepared by district staff. (Ord. 316 §2 (part), 1991).

13.03.040 Efficient plumbing fixtures. Any plumbing fixture in any existing service, which is replaced, added or moved, must conform with the following criteria:

- (1) Toilets must use not more than 1.6 gallons of water per flush;
- (2) Showerheads must not use more than three gallons of water per minute; and
- (3) Kitchen and lavatory faucets must use not more than two gallons per minute.

In addition, the district may inspect facilities for the purpose of verification of installation and may charge an appropriate inspection fee to be established by the board of directors sufficient to reimburse the district for the cost of inspection. (Ord. 316 §2 (part), 1991).

13.03.050 Variances from Section 13.13.040. The general manager may, in his discretion, exempt services from the requirements of Section 13.03.040 of this chapter, or impose reasonable conditions in lieu of compliance therewith, if he determines that any of the following conditions apply:

(1) Hardship. The general manager may grant an extension for hardship where the requirements of Section 13.03.040 cause an unnecessary and undue substantial hardship upon the owner, or purchaser of the facility or the public. Substantial hardship may include, but is not limited to:

(A) Plumbing in an existing facility which does not match the connections with efficient plumbing fixtures and would, therefore, require partial replumbing of the structures;

(B) Unavailability of efficient plumbing fixtures to match a well-defined historic architectural style in a locally, state or federally recognized building of historic significance, fitted with authentic plumbing fixtures;

(C) Any project exempted pursuant to subsection (1) of this section shall be required to have installed toilets using a maximum of 3.5 gallons per flush and three gallons per minute showerheads if not already so provided.

(2) Emergency. The general manager may grant an exemption for emergency purposes when the requirements of Section 13.03.040 would create a condition affecting the health, sanitation, fire protection or safety of the facility owner or the public. (Ord. 316 §2 (part), 1991)

13.03.060 Appeals. Except for variances from Section 13.03.040, variances from the requirements of this chapter may be granted by the board of directors only after denial of a variance request by the general manager. Appeals of variance request denials shall be made in writing to the secretary of the board at least two weeks prior to the meeting at which they will be heard. Upon granting any appeal, the board of directors may impose any conditions it determines to be just and proper. Variances granted by the board of directors shall be prepared in writing, the original to be kept on file with the district and a copy to be furnished to the applicant. The board of directors may require it to be recorded at applicant's expense. (Ord. 316 §2 (part), 1991).

13.03.070 Penalty for violations. Any person, firm, partnership, association, corporation or political entity violating or causing or permitting the violation of any of the provisions of this chapter shall be guilty of a misdemeanor punishable by imprisonment in the county jail for not more than thirty days or by a fine not exceeding one thousand dollars or both. Each separate day or portion thereof in which any violation occurs or continues without a good faith effort by the responsible party to correct the violation shall constitute a separate offense and, upon conviction thereof, shall be separately punishable. (Ord. 316 §2 (part), 1991).

13.03.080 Recordation of notice. Whenever the general manager determines that low water-use plumbing fixtures required by Section 13.03.040 have not been installed or have been removed since initial installation, the general manager may record a notice of violation with the office of the county recorder. The owners of the property as revealed by the assessment roll on which the violation is situated and any other person responsible for the violation shall be notified of the recordation, if their address is known. The owner of record shall have ninety days to take corrective action. Failure to take corrective action within ninety days shall constitute a violation of this code. The general manager shall cause a notice of correction to be recorded at such time as the property owner has established full compliance with the provisions of this chapter. (Ord. 316 §2 (part), 1991).

13.03.090 Cost of enforcement. Any person, firm or corporation or upon whose property a notice of violation has been recorded shall, if the condition creating the nuisance or constituting the violation is not corrected within thirty days, be liable for the cost of abatement and cost of correction which shall include, but not be limited to, cost of investigation, court costs, attorney fees and costs of monitoring compliance. (Ord. 316 §2 (part), 1991).

13.03.100 Chapter controlling. The provisions of this chapter shall prevail and control in the event of any inconsistency between this chapter and any other rule, regulation, ordinance or code of this district. (Ord. 316 §2 (part), 1991).

13.03.110 Remedies/cumulative. The remedies available to the district to enforce this chapter are in addition to any other remedies available under the district's rules and regulations, or any other state statutes or regulations, and do not replace or supplant any other remedy, but are cumulative. (Ord. 316 §2 (part), 1991).

13.03.120 Flow restrictors. In addition to the penalties provided for in Section 13.03.070 of this chapter, district may install a flow restrictor in the service of a customer who violates the provisions of this chapter if, after receiving notice from district that he is in violation, he does not rectify the violation within a reasonable time specified by the district not to exceed sixty days. (Ord. 316 §2 (part), 1991).

APPENDIX C

Report To California Urban Water Conservation Council

**Best Management Practices Report Filing**

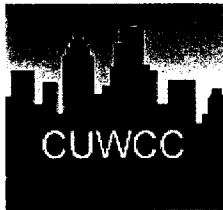
Water Supply & Reuse		
Reporting Unit: Marin Municipal Water District		Year: 2004
Water Supply Source Information		
Supply Source Name	Quantity (AF) Supplied	Supply Type
Local Reserviors	24059	Local Watershed
Sonoma County Water Agecny	7832	Imported
Recycled Water	587	Recycled
Total AF: 32478		

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Best Management Practices Report Filing

Accounts & Water Use					
Reporting Unit Name: Marin Municipal Water District			Form Status: CUWCC Reviewed		Year: 2004
A. Service Area Population Information:					
1. Total service area population			186000		
B. Number of Accounts and Water Deliveries (AF)					
Type	Metered		Unmetered		
	No. of Accounts	Water Deliveries (AF)	No. of Accounts	Water Deliveries (AF)	
1. Single-Family	51383	17107	0	0	
2. Multi-Family	4413	3843	0	0	
3. Commercial	3324	3251	0	0	
4. Industrial	0	0	0	0	
5. Institutional	237	1833	0	0	
6. Dedicated Irrigation	1022	2249	0	0	
7. Recycled Water	291	587	0	0	
8. Other	0	0	0	0	
9. Unaccounted	NA	3608	NA	0	
Total	60670	32478	0	0	
AF Conversion Calculator:		Metered	Unmetered		



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BMP 01 2004



Memorandum of
Understanding

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Best Management Practices Report Filing

BMP 01: Water Survey Programs for Single-Family and Multi-Family Residential Customers

Reporting Unit: Marin Municipal Water District	Form Status: CUWCC Reviewed	Year: 2004
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A. Implementation

1. Based on your signed MOU date, 08/29/1991, your Agency STRATEGY DUE DATE is:	08/28/1993
2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys?	yes
a. If YES, when was it implemented?	4/1/1995
3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys?	yes
a. If YES, when was it implemented?	4/1/1995

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	0	0
2. Number of surveys completed:	342	0
Indoor Survey:		
3. Check for leaks, including toilets, faucets and meter checks	yes	no
4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary	yes	no
5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary	yes	no
Outdoor Survey:		
6. Check irrigation system and timers	yes	yes
7. Review or develop customer irrigation schedule	yes	no
8. Measure landscaped area (Recommended but not required for surveys)	no	no
9. Measure total irrigable area (Recommended but not required for surveys)	no	no
10. Which measurement method is typically used (Recommended but not required for surveys)	None	
11. Were customers provided with information packets that included evaluation results and water savings recommendations?	yes	no

12. Have the number of surveys offered and completed, survey results, and survey costs been tracked?	yes	no
a. If yes, in what form are surveys tracked?	database	
b. Describe how your agency tracks this information.		
All data from each site consultation is recorded and stored in Microsoft's Access Database and in MMWD's SAP billing system.		
C. Water Survey Program Expenditures		
	This Year	Next Year
1. Budgeted Expenditures	10000	0
2. Actual Expenditures	8765	
D. "At Least As Effective As"		
1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?	No	
a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."		
E. Comments		
C1 - Next Year Budget response is 0 because we operate on a two-year budget cycle and we have not developed our budgets for FY05/06 and 06/07.		

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BMP 02 2004

Best Management Practices Report Filing

BMP 02: Residential Plumbing Retrofit

Reporting Unit: Marin Municipal Water District	Form Status: CUWCC Reviewed	Year: 2004
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A. Implementation

1. Is there an enforceable ordinance in effect in your service area requiring replacement of high-flow showerheads and other water use fixtures with their low-flow counterparts?	yes
a. If YES, list local jurisdictions in your service area and code or ordinance in each: County of Marin, Towns of Fairfax, Corte Madera, Ross, San Anselmo, Larkspur, San Rafael, Mill Valley, Belvedere, Tiburon, and Sausalito. Our ordinance is applied equally to all of the jurisdictions within our service area. District Code 11.60.0303	
2. Has your agency satisfied the 75% saturation requirement for single-family housing units?	yes
3. Estimated percent of single-family households with low-flow showerheads:	90%
4. Has your agency satisfied the 75% saturation requirement for multi-family housing units?	yes
5. Estimated percent of multi-family households with low-flow showerheads:	90%
6. If YES to 2 OR 4 above, please describe how saturation was determined, including the dates and results of any survey research. The District has achieved the 90% level of change-outs based upon our 1994 Baseline Study which placed the installation of low-flow fixtures above 75% along with a natural replacement factor plus our efforts of providing free fixtures since 1990.	

B. Low-Flow Device Distribution Information

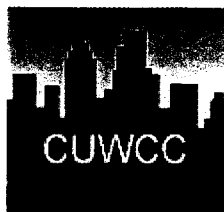
	1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices?	no	
	a. If YES, when did your agency begin implementing this strategy?	1/1/1990	
	b. Describe your targeting/ marketing strategy. There are free low flow showerheads and aerators provided at MMWD's administration building. We also provide low flow showerheads and aerators when we perform single-family, multi-family consultations, and at various public events such as fairs, shows.		
	Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
	2. Number of low-flow showerheads distributed:	2107	0
	3. Number of toilet-displacement devices distributed:	0	0
	4. Number of toilet flappers distributed:	0	0
	5. Number of faucet aerators distributed:	3900	0

	6. Does your agency track the distribution and cost of low-flow devices?	yes
	a. If YES, in what format are low-flow devices tracked?	Spreadsheet
	b. If yes, describe your tracking and distribution system : MMWD uses an Access and Excel programs for the tracking of the quantities of devices distributed.	
C. Low-Flow Device Distribution Expenditures		
		This Year
		Next Year
	1. Budgeted Expenditures	1000
	2. Actual Expenditures	700
D. "At Least As Effective As"		
	1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?	No
	a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."	
E. Comments		
	C1 - Next Year Budget response is 0 because we operate on a two-year budget cycle and we have not developed our budgets for FY05/06 and 06/07.	

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BMP 03 2004



Best Management Practices Report Filing

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit: Marin Municipal Water District	Form Status: CUWCC Reviewed	Year: 2004
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A. Implementation

1. Has your agency completed a pre-screening system audit for this reporting year?	yes
2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:	
a. Determine metered sales (AF)	28061
b. Determine other system verifiable uses (AF)	66
c. Determine total supply into the system (AF)	31267
d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required.	0.90
3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production?	yes
4. Did your agency complete a full-scale audit during this report year?	yes
5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit?	yes
6. Does your agency operate a system leak detection program?	yes
a. If yes, describe the leak detection program:	
All valvemmen are equipped with sonic leak detection equipment along with leak correlators and leak loggers which are utilized to locate pipe leaks.	

B. Survey Data

1. Total number of miles of distribution system line.	900
2. Number of miles of distribution system line surveyed.	88

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	50000	0
2. Actual Expenditures	50000	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?	No
a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."	

E. Comments

	C1 - Next Year Budget response is 0 because we operate on a two-year budget cycle and we have not developed our budgets for FY05/06 and 06/07.
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BMP 04: Metering with Commodity Rates for all New Connections and Retrofit of Existing

Reporting Unit: Marin Municipal Water District	Form Status: CUWCC Reviewed	Year: 2004
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A. Implementation

1. Does your agency require meters for all new connections and bill by volume-of-use?	yes
2. Does your agency have a program for retrofitting existing unmetered connections and bill by volume-of-use?	no
a. If YES, when was the plan to retrofit and bill by volume-of-use existing unmetered connections completed?	
b. Describe the program:	
3. Number of previously unmetered accounts fitted with meters during report year.	0

B. Feasibility Study

1. Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters?	no
a. If YES, when was the feasibility study conducted? (mm/dd/yy)	
b. Describe the feasibility study:	
2. Number of CII accounts with mixed-use meters.	959
3. Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period.	0

C. Meter Retrofit Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

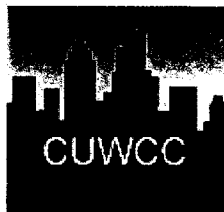
1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?	No
a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."	

E. Comments

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BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit: Marin Municipal Water District	Form Status: CUWCC Reviewed	Year: 2004
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A. Water Use Budgets

1. Number of Dedicated Irrigation Meter Accounts:	961
2. Number of Dedicated Irrigation Meter Accounts with Water Budgets:	961
3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF):	2358
4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF):	1969
5. Does your agency provide water use notices to accounts with budgets each billing cycle?	yes

B. Landscape Surveys

1. Has your agency developed a marketing / targeting strategy for landscape surveys?	yes
a. If YES, when did your agency begin implementing this strategy?	1/1/1991
b. Description of marketing / targeting strategy:	<p>MMWD has developed and is implementing a strategy for targeting and marketing to the top 20% of our dedicated irrigation accounts to participate in MMWD's Conservation Assistant Program (CAP). The CAP provides for staff person to conduct an individual on-site consultation which checks the irrigation system for inefficiencies, provides recommendations to upgrade the irrigation system, conducts an analysis of the irrigation system's distribution uniformity, reviews and develops irrigation schedules, as appropriate and provides the customer and their landscape professional an information packet.</p>
2. Number of Surveys Offered.	183
3. Number of Surveys Completed.	9
4. Indicate which of the following Landscape Elements are part of your survey:	
a. Irrigation System Check	yes
b. Distribution Uniformity Analysis	no
c. Review / Develop Irrigation Schedules	yes
d. Measure Landscape Area	no
e. Measure Total Irrigable Area	no
f. Provide Customer Report / Information	yes
5. Do you track survey offers and results?	yes
6. Does your agency provide follow-up surveys for previously completed surveys?	yes

a. If YES, describe below:			
We typically do provide follow up consultations but not for this year because our staff worked on a ET controller pilot program to determine the water saving aspects of that emerging technology.			
C. Other BMP 5 Actions			
1. An agency can provide mixed-use accounts with ETO-based landscape budgets in lieu of a large landscape survey program. Does your agency provide mixed-use accounts with landscape budgets?			no
2. Number of CII mixed-use accounts with landscape budgets.			0
3. Do you offer landscape irrigation training?			yes
4. Does your agency offer financial incentives to improve landscape water use efficiency?			yes
Type of Financial Incentive:	Budget (Dollars/Year)	Number Awarded to Customers	Total Amount Awarded
a. Rebates	0	0	0
b. Loans	0	0	0
c. Grants	0	0	0
5. Do you provide landscape water use efficiency information to new customers and customers changing services?			No
a. If YES, describe below:			
6. Do you have irrigated landscaping at your facilities?			yes
a. If yes, is it water-efficient?			yes
b. If yes, does it have dedicated irrigation metering?			yes
7. Do you provide customer notices at the start of the irrigation season?			yes
8. Do you provide customer notices at the end of the irrigation season?			yes
D. Landscape Conservation Program Expenditures			
		This Year	Next Year
1. Budgeted Expenditures		0	0
2. Actual Expenditures		0	
E. "At Least As Effective As"			
1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?			No
<p>a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."</p> <p>D 1 and 2 - Next Year Budget response is 0 because we operate on a two-year budget cycle and we have not developed our budgets for FY05/06 and 06/07.</p>			
F. Comments			



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List**Best Management Practices Report Filing****BMP 06: High-Efficiency Washing Machine Rebate Programs**

Reporting Unit: Marin Municipal Water District	Form Status: CUWCC Reviewed	Year: 2004
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A. Implementation

1. Do any energy service providers or waste water utilities in your service area offer rebates for high-efficiency washers?	yes
a. If YES, describe the offerings and incentives as well as who the energy/waste water utility provider is. MMWD offers its customers either a \$75 or \$100 rebate depending on the water efficiency factor of the clothes washer purchased.	
2. Does your agency offer rebates for high-efficiency washers?	yes
3. What is the level of the rebate?	75100
4. Number of rebates awarded.	1482

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	141533	0
2. Actual Expenditures	141533	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?	no
a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."	

D. Comments

B1 - Next Year Budget response is 0 because we operate on a two-year budget cycle and we have not developed our budgets for FY05/06 and 06/07.
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BMP 07: Public Information Programs

Reporting Unit: Marin Municipal Water District	Form Status: CUWCC Reviewed	Year: 2004
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A. Implementation

1. Does your agency maintain an active public information program to promote and educate customers about water conservation?	yes
--	-----

a. If YES, describe the program and how it's organized.

MMWD's public information program is a comprehensive, integrated program that covers all aspects of District operations including conservation. The program uses these typical outreach tools: advertising, direct mail, bill inserts, media outreach, special events, signage and website.

2. Indicate which and how many of the following activities are included in your public information program.

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	yes	3
b. Public Service Announcement	no	
c. Bill Inserts / Newsletters / Brochures	yes	12
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	yes	1
f. Special Events, Media Events	yes	6
g. Speaker's Bureau	yes	36
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	214149	0
2. Actual Expenditures	214149	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?	No
a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."	

D. Comments

B 1 - Next Year Budget response is 0 because we operate on a two-year budget cycle and we have not developed our budgets for FY05/06 and 06/07.



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BMP 08: School Education Programs

Reporting Unit: Marin Municipal Water District	Form Status: CUWCC Reviewed	Year: 2004
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A. Implementation

1. Has your agency implemented a school information program to promote water conservation?		yes			
2. Please provide information on your school programs (by grade level):					
Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops	
Grades K-3rd	yes	15	300	0	
Grades 4th-6th	yes	15	450	0	
Grades 7th-8th	no	0	0	0	
High School	no	0	0	0	
3. Did your Agency's materials meet state education framework requirements?					no
4. When did your Agency begin implementing this program?					9/01/1993

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

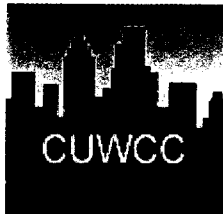
C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?	No
a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."	

D. Comments

<p>B 1 - Next Year Budget response is 0 because we operate on a two-year budget cycle and we have not developed our budgets for FY05/06</p> <p>B.1. Budgeted Expenditures response: There are funds which are available for the District's school education program but they are not specifically and 06/07.</p>
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Best Management Practices Report Filing

BMP 09: Conservation Programs for CII Accounts

Reporting Unit: Marin Municipal Water District	Form Status: CUWCC Reviewed	Year: 2004
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A. Implementation

1. Has your agency identified and ranked COMMERCIAL customers according to use?	yes
2. Has your agency identified and ranked INDUSTRIAL customers according to use?	yes
3. Has your agency identified and ranked INSTITUTIONAL customers according to use?	yes

Option A: CII Water Use Survey and Customer Incentives Program

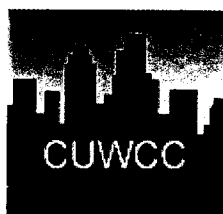
4. Is your agency operating a CII water use survey and customer incentives program for the purpose of complying with BMP 9 under this option?	yes
---	-----

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	194	0	0
b. Number of New Surveys Completed	12	0	3
c. Number of Site Follow-ups of Previous Surveys (within 1 yr)	0	0	0
d. Number of Phone Follow-ups of Previous Surveys (within 1 yr)	12	0	3
CII Survey Components	Commercial Accounts	Industrial Accounts	Institutional Accounts
e. Site Visit	yes	yes	yes
f. Evaluation of all water-using apparatus and processes	yes	yes	yes
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives	yes	yes	yes
Agency CII Customer Incentives	Budget (\$/Year)	No. Awarded to Customers	Total \$ Amount Awarded
h. Rebates	110500	236	32250

i. Loans	0	0	0
j. Grants	0	0	0
k. Others	0	0	0
Option B: CII Conservation Program Targets			
5. Does your agency track CII program interventions and water savings for the purpose of complying with BMP 9 under this option?		no	
6. Does your agency document and maintain records on how savings were realized and the method of calculation for estimated savings?		no	
7. Estimated annual savings (AF/yr) from site-verified actions taken by agency since 1991.		0	
8. Estimated annual savings (AF/yr) from non-site-verified actions taken by agency since 1991.		0	
B. Conservation Program Expenditures for CII Accounts			
	This Year	Next Year	
1. Budgeted Expenditures	110500	101200	
2. Actual Expenditures	60798		
C. "At Least As Effective As"			
1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?		No	
a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."			
D. Comments			
4h: 236 CII incentives for \$32,250 comprised of the following: ULFT rebates: 38, \$4,350; LightWash: 86, \$21,150; Pre-rinse valves: 104, \$5,200; Commercial dishwashers: 1, \$500; CII Direct install ULFT: 7, \$1,050. Total admin. costs for all CII-related programs = \$28,548 B1. \$110,500 represents incentives only; admin. costs are not budgeted separately for each program			

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BMP 09a: CII ULFT Water Savings

Reporting Unit: Marin Municipal Water District	Form Status: CUWCC Reviewed	Year: 2004
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1. Did your agency implement a CII ULFT replacement program in the reporting year? If No, please explain why on Line B. 10.	Yes
--	-----

A. Targeting and Marketing

1. What basis does your agency use to target customers for participation in this program? Check all that apply.	Potential savings
--	-------------------

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended. We directly contacted sites with large numbers of toilets through letters and phone calls.
--

2. How does your agency advertise this program? Check all that apply.	Direct letter Telephone Web page
---	--

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended. Letters to the Director of Maintenance.

B. Implementation

1. Does your agency keep and maintain customer participant information? (Read the Help information for a complete list of all the information for this BMP.)	Yes
2. Would your agency be willing to share this information if the CUWCC did a study to evaluate the program on behalf of your agency?	Yes
3. What is the total number of customer accounts participating in the program during the last year ?	3

CII Subsector	Number of Toilets Replaced			
4.	Standard Gravity Tank	Air Assisted	Valve Floor Mount	Valve Wall Mount
a. Offices	0	0	0	0
b. Retail / Wholesale	0	0	0	0
c. Hotels	0	0	0	0
d. Health	0	0	0	0
e. Industrial	0	0	0	0

f. Schools: K to 12	0	0	121	0
g. Eating	6	0	1	0
h. Govern- ment	0	0	0	0
i. Churches	0	0	0	0
j. Other	0	0	0	0
5. Program design.	<div style="text-align: right;">Rebate or voucher</div> <div style="text-align: center;">Direct installation with customer co-payment</div>			
6. Does your agency use outside services to implement this program?				Yes
a. If yes, check all that apply.		Plumbing contractors/subcontracts		
7. Participant tracking and follow-up.		<div style="text-align: right;">Telephone</div> <div style="text-align: right;">Site Visit</div>		
8. Based on your program experience, please rank on a scale of 1 to 5, with 1 being the least frequent cause and 5 being the most frequent cause, the following reasons why customers refused to participate in the program.				
a. Disruption to business				3
b. Inadequate payback				2
c. Inadequate ULFT performance				4
d. Lack of funding				4
e. American's with Disabilities Act				1
f. Permitting				1
g. Other. Please describe in B. 9.				4
9. Please describe general program acceptance/resistance by customers, obstacles to implementation, and other issues affecting program implementation or effectiveness.				
<p>We had 121 toilet retrofits occur based on background work performed in the last reporting period. A pilot direct-install with co-pay program was offered only to restaurants/food service establishments. We had a minimal response. Surveys to non-participants state either the co-pay was too high and/or the business claimed all toilets were already ULF.</p>				
10. Please provide a general assessment of the program for this reporting year. Did your program achieve its objectives? Were your targeting and marketing approaches effective? Were program costs in line with expectations and budgeting?				
<p>Based on administrative costs vs. toilets retrofit, our pilot program for food service establishments was not effective. Only one plumber submitted a bid for the program and the costs per toilet were higher than we expected. We only covered \$150 of the cost, leaving \$200+ for the customer for several options of tank-style toilets. Although our largest water savings come from this sector, the customers were just not responsive.</p>				

C. Conservation Program Expenditures for CII ULFT				
1. CII ULFT Program: Annual Budget & Expenditure Data				
			Budgeted	Actual Expenditure
		a. Labor	23500	1050
		b. Materials	0	0
		c. Marketing & Advertising	0	0
		d. Administration & Overhead	0	5284
		e. Outside Services	0	0
		f. Total	23500	6334
2. CII ULFT Program: Annual Cost Sharing				
		a. Wholesale agency contribution		0
		b. State agency contribution		0
		c. Federal agency contribution		0
		d. Other contribution		0
		e. Total		0
D. Comments				
	Administrative costs were not budgeted separately for each program; \$7,704 in admin. costs was spent. Administrative costs totalled \$5,284 for the pilot direct install, \$2,420 for toilet retrofits targeting schools and San Quentin prison. Pilot program was budgeted for \$23,500, which included materials/labor for outside plumber. Additional costs of 121 rebates for schools was included under BMP 9 budgeting information, as all "toilet rebate" funds are grouped together in our budget.			

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BMP 11: Conservation Pricing

Reporting Unit: Marin Municipal Water District		Form Status: CUWCC Reviewed	Year: 2004
A. Implementation			
	Rate Structure Data Volumetric Rates for Water Service by Customer Class		
	1. Residential		
	a. Water Rate Structure	Increasing Block	
	b. Sewer Rate Structure	Service Not Provided	
	c. Total Revenue from Volumetric Rates	\$26064572	
	d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0	
	2. Commercial		
	a. Water Rate Structure	Increasing Block	
	b. Sewer Rate Structure	Service Not Provided	
	c. Total Revenue from Volumetric Rates	\$10730842	
	d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0	
	3. Industrial		
	a. Water Rate Structure	Increasing Block	
	b. Sewer Rate Structure	Service Not Provided	
	c. Total Revenue from Volumetric Rates	\$3577093	
	d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0	
	4. Institutional / Government		
	a. Water Rate Structure	Increasing Block	
	b. Sewer Rate Structure	Service Not Provided	
	c. Total Revenue from Volumetric Rates	\$3577094	
	d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0	
	5. Irrigation		
	a. Water Rate Structure	Increasing Block	
	b. Sewer Rate Structure	Service Not Provided	

	c. Total Revenue from Volumetric Rates	\$366205	
	d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0	
	6. Other		
	a. Water Rate Structure	Service Not Provided	
	b. Sewer Rate Structure	Service Not Provided	
	c. Total Revenue from Volumetric Rates	\$0	
	d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0	
B. Conservation Pricing Program Expenditures			
		This Year	Next Year
	1. Budgeted Expenditures	872122	2525444
	2. Actual Expenditures	948394	
C. "At Least As Effective As"			
	1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?	No	
	a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."		
D. Comments			

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BMP 12: Conservation Coordinator

Reporting Unit: Marin Municipal Water District	Form Status: CUWCC Reviewed	Year: 2004
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A. Implementation

1. Does your Agency have a conservation coordinator?	yes
2. Is this a full-time position?	yes
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ?	no
4. Partner agency's name:	
5. If your agency supplies the conservation coordinator:	
a. What percent is this conservation coordinator's position?	100%
b. Coordinator's Name	Denis J. Poggio
c. Coordinator's Title	Water Conservation Coordinator
d. Coordinator's Experience and Number of Years	15 yrs as a California landscape contractor - 12 yrs employed with MMWD - 5 yrs as Coordinator
e. Date Coordinator's position was created (mm/dd/yyyy)	7/13/1992
6. Number of conservation staff, including Conservation Coordinator.	11

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	468135	0
2. Actual Expenditures	559348	

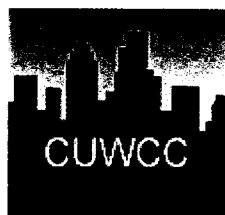
C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?	no
a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."	

D. Comments

MMWD has a two-year budget cycle. The next two-year budget cycle will be for FYs 2005 and 2006. Because of this budget cycle, MMWD has not yet developed a FY 2005 budget.
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BMP 13: Water Waste Prohibition

Reporting Unit: Marin Municipal Water District	Form Status: CUWCC Reviewed	Year: 2004
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A. Requirements for Documenting BMP Implementation

1. Is a water waste prohibition ordinance in effect in your service area?	yes
<p>a. If YES, describe the ordinance:</p> <p>Sections: 6.02.010 Purpose. 6.02.020 Definitions. 6.02.030 Residential /Non-Residential Customer Rate Structure/Water Wasting Conditions: 6.02.010 Purpose: This chapter establishes an element of the District's water conservation program pursuant to Water Code Section 375. This conservation program is designed to discourage water waste by the creation of a rate structure for customers who refuse to repair water-wasting conditions on their properties. This conservation program is necessary to reduce the quantity of water wasted by District consumers, and conserve the District's limited and precious water supply. (Ord. 395 *1, 2002) 6.02.020 Definitions: Definitions for this Chapter are as follows: Water Waste shall mean: The washing down of sidewalks, walkways, driveways, parking lots and all other hard-surfaced areas by direct hosing, except as may be necessary to properly dispose of flammable or other dangerous liquids or substances or to prevent or eliminate materials dangerous to the public health and safety; The escape of water through breaks or leaks within the customer's plumbing or private distribution system for a 48 hour period of time within which such break or leak should reasonably have been discovered and corrected; Irrigation systems that allow water to pond on the site, over water or over-spray the areas being watered to the point where water is collecting and/or creating run off. Residential Customer: Shall include District customer codes consisting of: One - Single-Family Dwelling; Two &#8211; Duplex Dwelling; Three &#8211; Tri/Four Plex Dwelling; Four - Small Apartment Complex with 5 to 9 living units; Five - Large Apartment Complex with greater than 10 living units. Non Residential Customer: Shall include District customer codes consisting of: Six &#8211; Institutional &#8211; schools, courts, churches, hospitals and government agencies; Seven &#8211; Commercial &#8211; an enterprise which is engaged in providing or distributing a product or service; Industrial &#8211; an enterprise which is engaged in the manufacturing or processing of materials. Eight &#8211; Irrigation 6.02.030 Residential /Non-Residential Customer Rate Structure/Water Wasting Conditions: (1) Notification Process: Whenever the District staff confirms the existence of a water wasting condition on a customer's property, a warning letter shall be issued to the customer that advises the customer of the condition and that the condition must be corrected within a two week period. At the discretion of District staff, the customer may be granted up to an additional two-week period to correct the water wasting condition, provided the customer gives the District a compelling reason as to why the water wasting condition cannot be completely corrected within the original two-week period. For example, if a customer is unable to schedule a qualified repair professional to perform the corrective work, then the District may grant additional time to comply, provided some temporary</p>	

measure is employed by the customer to immediately stop the water waste. The customer's request for a time extension shall be submitted to the District in writing and approved by District staff. (2) Re-inspection: District staff shall re-inspect the property at the end of the two-week period to verify compliance. If, at any time after a water wasting condition has been confirmed by District staff, the customer refuses to let District staff re-inspect for compliance, then the District shall charge a residential customer \$ 150.00 and a non-residential customer 20% of last year's total water bill every 60 days until a re-inspection is permitted and verification of compliance is confirmed by District staff. (3) Compliance: If, during the re-inspection of the property, District staff determines that the customer has corrected the condition that was causing the water waste, then the customer shall not incur a charge. (4) Residential Customer Non-Compliance Charge: If after a re-inspection of the property District staff determines that the condition causing water waste still exists, then, a second letter shall be sent to the customer notifying him/her that the property is out of compliance, he/she shall be charged a non-compliance charge of \$75.00 and failure to correct the water wasting condition within one week of the date of the second letter, will result in a charge of \$150.00. One week after the second letter is sent, District staff will re-inspect the property for a second time to attempt to verify compliance. If the water wasting condition has not been corrected, the District will impose a \$150.00 non-compliance charge and a \$150.00 charge each 60 days thereafter until the condition is corrected and verified by District staff. In addition, a flow restrictor will be installed at the customer's water meter until the customer requests re-inspection of the property and the District confirms that the condition has been corrected. After a \$150.00 charge has been imposed and a flow restrictor installed, it is the customer's responsibility to contact District staff and request an additional re-inspection to verify compliance. If after re-inspection, District staff confirms that the condition has been corrected, District staff will remove the flow restrictor on the customer's water meter and no further non-compliance charges will be levied for this incident. (5) Non-Residential Customer Non-Compliance Charge: If after a re-inspection of the property District staff determines that the condition causing water waste still exists, then, a second letter shall be sent to the customer notifying him/her that the property is out of compliance, and that he/she shall be charged a non-compliance charge of \$500.00 or 10% of the customer's last year's total water bill whichever is greater. That letter shall also notify the customer that failure to correct the water wasting condition within one week of the date of the second letter, will result in an additional charge of 20% of the customer's total water bill for the previous year, being imposed each 60 day period thereafter until the correction of the condition is verified by District staff. One week after the second letter is sent, District staff will re-inspect the property and attempt to verify compliance. If the water wasting condition has not been corrected, the following shall apply: Mixed Use Accounts/One Meter: If the water wasting condition is not corrected, the District will install a flow restrictor on the customer's water meter, and immediately impose a non-compliance charge of 20% of the customer's previous year's total water bill. Each 60 days thereafter, that same charge shall be imposed on the customer until District staff verifies that the water wasting condition has been corrected. (For example, if the customer's annual water bill were for \$7,006.00, then the District would apply a charge of \$1,401.20 every 60 days thereafter until the water wasting condition is corrected.) Irrigation Meters: If the non-residential account has a water meter just for irrigation and the water wasting condition was not corrected, then the District will immediately

<p>impose a charge of 20% of the customer's previous year's total irrigation water bill. (For example, if their annual water bill were \$8,000.00, then the District would apply a bi-monthly charge of \$1,600.00 per billing period to the customer's water bill, until the water wasting condition is corrected). If at the end of the 60-day period and after the 20% charge is billed, the customer has not corrected the water wasting condition, the District will shut off the customer's irrigation water meter until the water wasting condition has been corrected. Once the water meter has been shut off, the District will no longer apply the bi-monthly charge to the customer's water bills. Verification of Compliance after Determination of Non-Compliance: After the charges have been imposed and/or the irrigation meter has been shut off, it is the Customer's responsibility to contact District staff and request an additional re-inspection to verify compliance. If after re-inspection, District staff confirms that the condition has been corrected, District will turn on the customer's irrigation water meter and discontinue the charge after the end of the current 60-day period. Charges will not be pro-rated. (6) Multiple Violations in a 12 month period: If, within twelve months of District staff's confirmation of a water wasting condition on a residential or non-residential property, three additional water wasting conditions are confirmed by staff, the non-compliance charges contained in Sections 6.02.020 4(b) and 5(b) shall be imposed on the customer. (Ord. 395 *1, 2002)</p>	
2. Is a copy of the most current ordinance(s) on file with CUWCC?	yes
a. List local jurisdictions in your service area in the first text box and water waste ordinance citations in each jurisdiction in the second text box:	
County of Marin Towns of Fairfax, Corte Madera, Ross, San Anselmo, Larkspur, San Rafael, Mill Valley, Belvedere, Tiburon, and Sausalito.	Our ordinance is applied equally to all of the jurisdictions within our service area.
B. Implementation	
1. Indicate which of the water uses listed below are prohibited by your agency or service area.	
a. Gutter flooding	yes
b. Single-pass cooling systems for new connections	Yes
c. Non-recirculating systems in all new conveyor or car wash systems	Yes
d. Non-recirculating systems in all new commercial laundry systems	no
e. Non-recirculating systems in all new decorative fountains	yes
f. Other, please name Damaged or broken irrigation components	yes
2. Describe measures that prohibit water uses listed above:	
<p>The following practices are identified as water waste: 1. The washing down of sidewalks, walkways, driveways, parking lots and all other hard-surfaced areas by direct hosing, except as may be necessary to properly dispose of flammable or other dangerous liquids or substances or to prevent or eliminate materials dangerous to the public health and</p>	

<p>safety; 2. The escape of water through breaks or leaks within the customer's plumbing or private distribution systems for a 48-hour period of time within which such break or leak should reasonably have been discovered and corrected; 3. Irrigation systems that allow water to pond on the site, over-water or over-spray the areas being watered to the point where water is collecting and/or creating run-off.</p>		
Water Softeners:		
3. Indicate which of the following measures your agency has supported in developing state law:		
a. Allow the sale of more efficient, demand-initiated regenerating DIR models.		yes
b. Develop minimum appliance efficiency standards that:		
i.) Increase the regeneration efficiency standard to at least 3,350 grains of hardness removed per pound of common salt used.		yes
ii.) Implement an identified maximum number of gallons discharged per gallon of soft water produced.		yes
c. Allow local agencies, including municipalities and special districts, to set more stringent standards and/or to ban on-site regeneration of water softeners if it is demonstrated and found by the agency governing board that there is an adverse effect on the reclaimed water or groundwater supply.		yes
4. Does your agency include water softener checks in home water audit programs?		no
5. Does your agency include information about DIR and exchange-type water softeners in educational efforts to encourage replacement of less efficient timer models?		no
C. Water Waste Prohibition Program Expenditures		
	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	
D. "At Least As Effective As"		
1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?		no
a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."		
E. Comments		
C Water Waste Expenditures Response: Our agency does not budget specific funds to address water waste but rather has a total approved budget that supports our water waste efforts.		

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BMP 14 2004

◀ **BMPs** ▶
DOWN - UP

◀ **YEARS** ▶
DOWN - UP

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Understanding

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BMP 14: Residential ULFT Replacement Programs

Reporting Unit: Marin Municipal Water District	Form Status: CUWCC Reviewed	Year: 2004
A. Implementation		
	Single-Family Accounts	Multi-Family Units
1. Does your Agency have program (s) for replacing high-water-using toilets with ultra-low flush toilets?	yes	yes
Number of Toilets Replaced by Agency Program During Report Year		
Replacement Method	SF Accounts	MF Units
2. Rebate	0	0
3. Direct Install	0	158
4. CBO Distribution	0	0
5. Other	858	40
Total		198
6. Describe your agency's ULFT program for single-family residences. The ULFT retrofit requirement of MMWD's Time of Sale program applies to our single family residential customers.		
7. Describe your agency's ULFT program for multi-family residences. The ULFT retrofit requirement of MMWD's Time of Sale program applies to our multi-family residential customers. MMWD developed a direct install program for our multi-family customers, which the participating customers had a \$50 co-pay per ULFT.		
8. Is a toilet retrofit on resale ordinance in effect for your service area?		yes
9. List local jurisdictions in your service area in the left box and ordinance citations in each jurisdiction in the right box:		
	<p>MARIN MUNICIPAL WATER DISTRICT ORDINANCE NO. 394 AN ORDINANCE REVISING WATER CONSERVATION REQUIREMENTS BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE MARIN MUNICIPAL WATER DISTRICT AS FOLLOWS: Section 1. Section 11.60.011 "Purpose" of Chapter 11.60 of the District Code entitled "Water Conservation" is amended to read as follows: 11.60.010 Purpose. All applicants for new, increased, or modified service shall comply with the requirements set forth in this chapter in addition to those set forth in Chapter 11.04 of this Code as a</p>	

condition of receiving service. The District intends to promote water conservation of its finite natural resource through the installation of Low Water-Use Plumbing fixtures upon the transfer of real property ownership. Section 2. Section 11.60.020 entitled "Definitions" is amended to add the following sections: 11.60.020 Definitions. Definitions used in this chapter are as follows: Low Water-Use Plumbing Fixtures: The following fixtures shall be considered Low Water-Use Plumbing Fixture a. Toilet: Any toilet rated at no greater than 1.6 gallons per flush. b. Urinal: Any urinal rated at no greater than 1.2 gallons per flush. c. Showerhead: Any showerhead rated at no greater than 2.5 gallons per minute at 50 psi. d. Lavatory: Any lavatory faucet rated at no greater than 2.2 gallons per minute at 50 psi. e. Faucet aerator: Any faucet aerator rated at no greater than 1.5 gallons per minute at 50 psi. f. Pressure regulator: NOTE TO DENIS - ADD DEFINITION The pressure regulation device shall be located between the water meter and first point of water use, or first division in the water pipe, or where the water enters the structure and any points of connection to the irrigation system, and set at not more than 50 psi. All irrigation systems that are designed for greater pressure than the required 50 psi shall not be required to comply with the provisions of this ordinance. (11) Residential Structure: Any structure to include single family residential, multi-family residential and not motel structures, built and intended primarily for the shelter, or housing of any person. (12) Change of Real Property Ownership: Any change in the present fee interest of real property, or a transfer of the right to beneficial use thereof, the value of which is substantially equal to the proportion of ownership interest transferred. A Change of Ownership shall be deemed to occur at the close of escrow. Every transfer of real property shall qualify as a change of ownership, except a transfer of title from one spouse to another, whether the transfer is voluntary, involuntary, by operation of law, by grant, gift, devise, inheritance, trust, contract of sale, addition or deletion of an owner, property settlement, or any other means. (13) Seller: The person, persons or entity making a change of real property ownership as described herein is known as the "Seller". It shall be the Seller's responsibility to obtain and complete a "Certificate of Compliance" form, acknowledging that the Seller or titleholder has stated that the Low Water-Use Plumbing Fixture Retrofit required by this ordinance has been completed. Section 3: Section 11.60.030 is amended to add the following sections: (4) Requirements upon Transfer of Real Property Ownership: (A) Any structure including single family residential, multi-family residential and hotel/motel structures shall, at the time of change of ownership, be retrofitted, if not already so, exclusively with Low Water-Use Plumbing Fixtures

County of
Marin
Towns of
Fairfax,
Corte
Madera,
Ross, San
Anselmo,
Larkspur,
San Rafael,
Mill Valley,
Belvedere,
Tiburon,
and
Sausalito

as defined by this ordinance. All fixtures retrofitted in compliance with this Ordinance shall not be replaced with fixtures that allow for greater water use than that specified in the Low Water-Use Plumbing Fixture Definitions. (B) The person, persons or entity transferring a fee or beneficial interest in real property as described herein is known as the "Seller". It shall be the Seller's responsibility to obtain a Certificate of Compliance form from the District, the Seller's agent or from a municipal building inspector.. (C) The requirements of this ordinance shall affect all escrow accounts involving the transfer of a fee or beneficial interest (as described herein) for property escrow accounts opened after May 01, 2002. Escrow accounts opened before May 1, 2002 shall not be affected by this ordinance. (5) Standard Compliance Procedure. The Seller of any residential property, to include a single family residential, a multi-family residential or a hotel/motel structure, shall comply with the requirements of this ordinance and submit a completed Certificate of Compliance certifying that the Low Water Use Plumbing Fixtures have been installed in the structure. (A) The Certificate of Compliance is a written statement signed by the Seller, Seller's agent or broker licensed by the State of California, Department of Real Estate, or a municipal building inspector, which certifies that the requirements of this ordinance have been satisfied. (B) The Certificate of Compliance shall certify, based upon personal knowledge of the person(s) signing the Certificate of Compliance, that each toilet, urinal, showerhead, lavatory faucet, faucet aerator, and pressure regulation device in the residential property or hotel/motel structure is in compliance with the requirements of this ordinance. (C) The Seller and/or Seller's agent or broker, under the California Real Estate Transfer Disclosure Statement requirements made pursuant to Section 1102 of the Civil Code, shall provide the Buyer with a copy of this ordinance. (D) (E) The Certificate of Compliance shall be submitted within 15 days from the close of escrow to: Marin Municipal Water District Time of Sale Compliance 220 Nellen Avenue Corte Madera CA 94925 (6) Alternate Compliance Procedure: (1) At the Seller's option, the Seller may pay the District a \$350 deposit per bathroom or half bathroom that does not fully comply with the provisions of this ordinance. The Seller, by paying the District the \$350 deposit per bathroom or half bathroom, transfers all responsibility to the Buyer of the real property to install Low Water-Use Plumbing Fixtures within one year from the date of the close escrow. (2) The District shall also, at the Seller's option, permit the Seller to pay the District a \$200 deposit for the installation of a pressure regulation device where the service water pressure exceeds 50 psi. The Seller, by paying the District the \$200 deposit for the installation of a pressure regulation

device, transfers all responsibility to the Buyer of the real property to install the pressure regulation device within one year from the date of the close of escrow. (3) If the Seller elects to use this Alternative Compliance Procedure, then the Seller shall pay the District a non-refundable administrative fee of \$65. (4) If the Seller elects to use this Alternative Compliance Procedure, then the Seller and or Seller's agent or broker, pursuant to the California Real Estate Transfer Disclosure Statement requirements made pursuant to Section 1102 of the Civil Code, shall provide the Buyer with a copy of this ordinance and shall notify the Buyer in writing that the Seller has transferred the retrofit responsibility to the Buyer. (5) The Buyer will then be responsible for installing Low Water-Use Plumbing Fixtures within one year from the date of the close of escrow, or the Seller's deposit will be forfeited and released to the District. (7) Non-Compliance with Alternative Compliance Procedure. In the event of non-compliance with the Alternative Compliance Procedure, the District shall assess a twenty percent (20%) surcharge per billing period on the Buyer's (new owner's) bi-monthly water bill. The twenty percent (20%) surcharge shall be calculated by taking 20% of the Buyer's total annual water bill for the twelve (12) preceding months until the requirements of this ordinance are satisfied. (For example, if the Buyer's (new owner's) annual water bill for the previous year at his/her current property was \$600.00, then the District would apply a bi-monthly surcharge of \$120.00 per billing period to the Buyer's (new owner's) bi-monthly water bill, until the provisions of this ordinance are met.) To qualify to receive the District-held deposit, the Buyer is responsible to notify and provide the District with the required Certificate of Compliance form within one year from the date of the close of escrow. F. Verification of Compliance: (1) The Certificate of Compliance form shall reserve to the District the right to verify compliance with this Ordinance by performing an inspection of the structure. (2) District staff shall randomly perform inspections of those properties for which a Certificate of Compliance form has been submitted to the District. (3) If the new property owner (i.e. Buyer) refuses to allow the District to enter the property (including all structures) and inspect for compliance with this Ordinance, the District may avail itself of all remedies to inspect the premises. G. Fees for Non-compliance with the Standard Compliance Procedure: (1) If, after conducting the initial random inspection, the District determines that the Low Water-Use Plumbing Fixture retrofit was not performed or was not completed, or that the Low Water-Use Plumbing Fixtures are no longer present at the property (for which a certificate of compliance has been submitted to the District), the District will assess a twenty percent (20%)

		<p>surcharge per billing period on the Buyer's (new property owner's) bi-monthly water bill until the new property owner demonstrates to the satisfaction of the District that the requirements of this Ordinance have been performed and submits a new Certificate of Compliance form. (b) A second site inspection shall be required to verify compliance with this Ordinance. The new property owner (Buyer) shall pay the District in advance of the inspection a \$65 fee for each site inspection conducted after the initial random inspection. (c) The District shall calculate the 20% surcharge on the Buyer's (new owner's) bill by using the seller's (previous owner's) total annual water use for the year preceding the close of escrow as the baseline. (For example, if in the year preceding the close of escrow the Seller's total annual water bill was \$800.00, then the Buyer's (new owner's) water bill would be surcharged \$160.00 for each bi-monthly billing period until the provisions of this Ordinance are met.</p>
B. Residential ULFT Program Expenditures		
	This Year	Next Year
1. Budgeted Expenditures	100000	60734.12
2. Actual Expenditures	21328	
C. "At Least As Effective As"		
1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?	no	
a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."		
D. Comments		

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BMP 14 2004

APPENDIX D

Resolution to Adopt
Marin Municipal Water District's 2005 Urban Water Management Plan

MARIN MUNICIPAL WATER DISTRICT

**RESOLUTION NO. 7619
RESOLUTION OF THE BOARD OF DIRECTORS
OF THE MARIN MUNICIPAL WATER DISTRICT
ADOPTING AND DIRECTING THE FILING OF THE DISTRICT'S 2005 URBAN
WATER MANAGEMENT PLAN**

WHEREAS, the California Legislature enacted Assembly Bill 797 during the 1983-1984 Regular Session of the California Legislature (Water Code Section 10610 et. seq.), known as the Urban Water Management Planning Act, and as amended subsequently, which mandates that every urban supplier of water providing water for municipal purposes to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually, prepare an Urban Water Management Plan, the primary objective of which is to plan for the conservation and efficient use of water; and

WHEREAS, AB 797 requires that the Plan be adopted, after public review and hearing, and filed with the California Department of Water Resources within thirty days of adoption; and

WHEREAS, AB 797 and amendments require that the Plan be periodically reviewed at least once every five years, and that the urban water supplier shall make any amendments or changes to its plan which are indicated by the review; and

WHEREAS, the District is an urban supplier of water providing water to a population of about 190,000 through about 61,000 services, and has therefore prepared and circulated for public review a Draft 2005 Urban Water Management Plan, in compliance with the requirements of AB 797 and amendments, and a properly noticed public hearing regarding the Draft Plan was held by the District's Board on January 18, 2006, and a Final Plan approved;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Marin Municipal Water District as follows:

1. The 2005 Urban Water Management Plan is hereby adopted and ordered filed with the District Secretary;
2. The General Manager is hereby authorized and directed to file the 2005 Plan with the California Department of Water Resources no later than thirty days from the approval of the Plan;

3. The General Manager is hereby authorized and directed to continue the implementation of programs as detailed in the adopted 2005 Urban Water Management Plan.

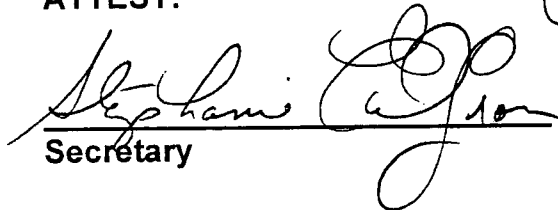
PASSED AND ADOPTED this 18th day of January 2006 by the following vote of the Board.

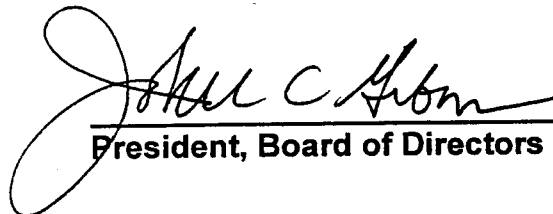
AYES: Directors Forman, Gibson, Huffman, Koehler and Russell

NOES: None

ABSENT: None

ATTEST:


Secretary


President, Board of Directors